

ASL J89-0199, 2 Jun 89

POSITION DESCRIPTION (Please Read Instructions on the Back)

Agency Position No

R8889000

2 Reason for Submission <input checked="" type="checkbox"/> Redescription <input type="checkbox"/> Reestablishment		3 Service <input type="checkbox"/> New <input type="checkbox"/> Hdqtrs <input checked="" type="checkbox"/> Field		4 Employing Office Location		5 Duty Station		6 OPM Certification No	
7 Fair Labor Standards Act N/A <input type="checkbox"/> Exempt <input type="checkbox"/> Nonexempt				8 Financial Statements Required <input type="checkbox"/> Executive Personnel Financial Disclosure <input type="checkbox"/> Employment and Financial Interests				9 Subject to IA Action <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
10 Position Status <input type="checkbox"/> Competitive 32 USC 709 <input checked="" type="checkbox"/> Excepted (Specify in Remarks) <input type="checkbox"/> SES (Gen) <input type="checkbox"/> SES (CR)				11 Position is <input type="checkbox"/> Supervisory <input type="checkbox"/> Managerial <input checked="" type="checkbox"/> Neither		12 Sensitivity <input type="checkbox"/> 1-Non Sensitive <input type="checkbox"/> 2-Critical Sensitive <input type="checkbox"/> 3-Non Critical Sensitive <input type="checkbox"/> 4-Special Sensitive		13 Competitive Level Code	
14 Agency Use ENL				15 Classified/Graded by Official Title of Position		Pay Plan		Occupational Code	
16 Organizational Title of Position (if different from official title)				17 Name of Employee (if vacant, specify)		Grade		Initials Date	
a U.S. Office of Personnel Management				b Department, Agency or Establishment Artillery Repairer		WG		6605 10 eie 81 MAY 1989	
c Second Level Review				d First Level Review		e Recommended by Supervisor or Initiating Office			

18 Department, Agency, or Establishment National Guard Bureau		c Third Subdivision MATES/CSMS	
a First Subdivision State Adjutant General		d Fourth Subdivision Armament Repair Section	
b Second Subdivision Surface Maintenance Office		e Fifth Subdivision	

19 Employee Review—This is an accurate description of the major duties and responsibilities of my position.		Signature of Employee (optional)	
20 Supervisory Certification. I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.		21 Typed Name and Title of Higher-Level Supervisor or Manager (optional)	
a Typed Name and Title of Immediate Supervisor			

Signature	Date	Signature	Date
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21 Classification/Job Grading Certification. I certify that this position has been classified/graded as required by Title 5, U.S. Code, in conformance with standards published by the U.S. Office of Personnel Management or, if no published standards apply directly, consistently with the most applicable published standards.		22 Position Classification Standards Used in Classifying/Grading Position USOPM JGS for Artillery Repairer, WG-6605, Nov 73; USOPM JGS for Electrician, WG-2805, Apr 69; USOPM JGS for Heavy Mobile Equipment Mech, WG-5803, Jun 72; USOPM JGS for Pneudraulic	
Typed Name and Title of Official Taking Action E. Jack Ewing Position Classification Specialist		Information for Employees. The standards, and information on their application, are available in the personnel office. The classification of the position may be reviewed and corrected by the agency or the U.S. Office of Personnel Management. Information on classification/job grading appeals, and complaints on exemption from FLSA, is available from the personnel office or the U.S. Office of Personnel Management.	
Signature	Date		
	81 MAY 1989		

23. Position Review	Initials	Date	Initials	Date	Initials	Date	Initials	Date	Initials	Date
a. Employee (optional)										
b. Supervisor										
c. Classifier										

24 Remarks Block 22. Systems Mechanic, WG-8255, Dec 86

(MFT)

25.

a. INTRODUCTION:

This position is located in the Armament Repair Section of a Mobilization and Training Equipment Site (**MATES**) with direct support maintenance or in a Combined Support Maintenance Shop (**CSMS**). This position serves as a turret mechanic doing direct support, general support and limited depot maintenance on the electrical, hydraulic and mechanical components of the turret of the M-1 and/or M-BOA-3 tanks.

b. DUTIES AND RESPONSIBILITIES:

(1) Performs direct support maintenance on the electrical system of the turret of M-1 or **M-60A-3** tanks. Repairs the stabilization control box. ammo select box, circuit breakers, distribution boxes, cables and wiring system, points and all other electrical components in the turret.

(2) Tests and repairs the electrical test sets which are used to test the electrical systems of the tank turret. Follows schematic diagrams and relays to determine if there is malfunction in the test equipment.

(3) Repairs the hydraulic system which provides the pressure to elevate and traverse the gun and rotate the turret. Repairs blocking valves which control the motion to ensure safety, these **are controlled** by electrical solenoids. Repairs the hydraulic motor which provides power to the traversing gear box, the elevating system. the recoil system and all other hydraulic parts and components in the turret.

(4) Repairs all mechanical parts involved in turret traversing, such as the traversing gear box including the **clutch** assembly, and turret races including cupola bearings. Repairs the gears and bearings in the gear box. Repairs all small gear drive components including those required to raise and lower the gun.

(5) Services the gun by exercising the recoil system to check for leaks in the seals. Borescopes the gun tube to check for wear. Makes recoil adapter readings to determine that the adapter and collar are serviceable.

(6) May perform the electronic. electric, hydraulic and mechanical repairs on the Bradley Fighting Vehicle. **May** also work on the ITV. Howitzers and other less complex equipment.

(7) Performs other duties as assigned.

c. SKILL AND KNOWLEDGE:

Must have a knowledge of the makeup, operation, and installation of the electrical system of the M-1 and/or M-60A-3 tanks fire control system and turret and gun operation. Must have the ability to plan and complete the repair of systems circuits, equipment and controls. Must apply a knowledge of how electrical, electronic and other non mechanical systems tie in with and affect the operation of mechanical systems. Uses this knowledge and related troubleshooting skills to determine the mechanical defects which cause operational failure in systems and components or failure to perform up to specifications and requirements. **Uses** technical manuals, illustrations, specifications, schematics and similar guides.

d. RESPONSIBILITY:

Receives work assignments from supervisor. Selects the best work methods to find and correct defects and perform repairs. Uses judgment in determining the extent of repairs based on the diagnosis. Completes **work** in accordance with existing technical manuals, specifications or instructions. Unusual problems may be referred to supervisor.

a. PHYSICAL EFFORT:

Works in tiring or uncomfortable positions for long periods. Requires frequent bending, reaching, stretching, climbing and crouching. Sometimes works in cramped or awkward positions. Frequently lifts and carries items weighing up to 40 **or** 50 pounds, and often puts forth similar effort in pulling, turning and **positioning** parts, assemblies, equipment and tools. May be required to lift heavier items with the assistance of other workers and with lifting devices such as jacks, hoists, and cranes.

f. WORKING CONDITIONS:

Works inside and outside. Is frequently exposed to drafts, changing temperatures and noise. May work in inclement weather and in wet or icy areas. Incumbent is exposed to dust and heat fumes, typically working on parts which are dirty, oily or greasy. Is exposed to the possibility of receiving cuts, burns and bruises.

EVALUATION STATEMENT

A. Title, Series and Grade: Artillery Repairer. WQ-6605-10

B. References:

1. USOPM JGS for Artillery Repairer. WG-6605, Nov 73.
2. USOPM JGS for Electrician. WG-2805. Apr 69.
3. USOPM JGS for Heavy Mobile Equipment Mechanic, WG-5803,
Jun 72.
4. USOPM JOS for Pneudraulic Systems Mechanic, WG-8255.
Dec 86.

c. Background: This position is established to reflect the complexity of mechanical work associated with turret maintenance of the new M-1 and the M-60A-3 tanks.

D. Series, Title and Grade Determination:

1. Series: This position has duties which could be classified in several different series. Since the Artillery Repairer WG-6605 includes most of the skills involved in these series, the position has been placed in the Artillery Repairer WIG-6605 series.

2. Title: Jobs graded by the WG-6605 standard are to be titled Artillery Repairer.

3. Grade: The WG-09 of this standard **rebuilds** and **repairs** a wide variety of accepted and well proven weapons. The WG-11 artillery repairer modifies, repairs, and services **experimental** and prototype artillery and artillery components which **are** in the process of development **or** test. The M-1 and the M-60A-3 tanks **are** not prototype. Mechanics working on this turret are not developing modifications to the gun, as required at the WG-11 level. The most complex portions of the repair work on the turret **are** performed by the electronic mechanics. The hydraulic and mechanical portions of the tank **are** not significantly different than those described at the WG-09 level, although they **are more** sophisticated and react much more quickly and move with greater speed than in older artillery (the gun is raised into position much **more** rapidly and the turret rotates much faster).

Borescoping was considered one of the key duties in the **standard**, and while this is still accomplished it is now **a** routine duty. Since this fire control system is electronically controlled and electrically activated, the most complicated duty performed is to locate the problem in the extensive cable **and** wiring **system** that prohibits the component of the fire control system to **receive** signals. The duties fall between the WG-09 and the W-11 levels, therefore the WQ-10 grade is correct when compared with the Artillery Repairer standard. This classification **is consistent**

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with the Heavy Mobile Equipment standard which has the **repairing** of clutches and gears at the WG-10 level, as also performed by the incumbents of this position. It is also equivalent with the difficulty described for WQ-10 electricians. This position is therefore classified at the WG-10 grade.

E. Conclusion: Based on the above evaluation, this position **is** classified as Artillery Repairer. WG-6605-10.

Classifier: E. Jack Ewing

Region: NQB-WCA

Date:

31 MAY 1989